

**PATENT****Docket No. RSW920000157US1****Application No. 09/777,287 (Conf. No. 7176)****AMENDMENTS TO THE CLAIMS**

This Listing of Claims will replace all prior versions, and listings, of claims in this application:

**Listing of Claims:**

1. (Previously Presented) A method for automatically determining, from a plurality of text entry fields displayed on a computer monitor, the locations of at least two text entry fields having a predefined relationship with each other for the purpose of facilitating a system logon process, the method comprising:

automatically identifying a first text entry field from among the plurality of text entry fields displayed on said computer monitor, said identifying said first text entry field being performed by identifying one of the plurality of text entry fields that has a predetermined text entry characteristic, said first display field having a first location; and

automatically identifying a second text entry field from among a remainder of the plurality of text entry fields displayed on said computer monitor in response to automatically identifying said first text entry field, said identifying said second text entry field being performed based on a predefined relationship between a respective location of the second display field and the identified first location of the first display field.

2. (Previously Presented) The method of claim 1, wherein the first text entry field is a password text entry field and the second text entry field is a user identification text entry field associated with said password text entry field.

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3. (Previously Presented) The method of claim 1, wherein automatically identifying the first text entry field comprises monitoring text entry fields displayed on the computer monitor at least until a text entry field having the predetermined text entry characteristic is encountered.

4. (Previously Presented) The method of claim 3, wherein the predetermined text entry characteristic is a non-display attribute.

5. (Previously Presented) The method of claim 4, wherein an emulator generates text entry fields on the computer monitor and monitoring text entry fields displayed on the computer monitor at least until a text entry field having the predetermined text entry characteristic is encountered comprises examining a new text entry field in response to an interrupt generated by said emulator when a cursor is positioned within said new text entry field.

6. (Previously Presented) The method of claim 1, wherein identifying the second text entry field comprises monitoring the text entry fields displayed on the computer monitor and determining which text entry field has the predefined relationship with the first text entry field.

7. (Previously Presented) The method of claim 6, wherein an emulator generates text entry fields on the computer monitor and monitoring text entry fields displayed on the computer monitor at least until a text entry field having the

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predetermined text entry characteristic is encountered comprises examining a new text entry field in response to an interrupt generated by said emulator when a cursor is positioned within said new text entry field.

8. (Previously Presented) The method of claim 6, wherein said predefined relationship between the second text entry field and the first text entry field is: that the second text entry field is the first non-empty text entry field preceding the first text entry field.

9. (Previously Presented) The method of claim 6, wherein the predefined relationship is that the second text entry field is positioned a predetermined number of text entry fields from the first text entry field.

10. (Previously Presented) The method of claim 6, wherein said predefined relationship is that the second text entry field is positioned a predetermined number of non-empty text entry fields from the first text entry field.

11-15. (Canceled)

16. (Previously Presented) A system for identifying text entry fields displayed on a computer monitor for the purpose of facilitating a system logon process, said system comprising a processor and instruction stored on a computer-readable medium, said instruction when performed by said processor cause said system to:

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automatically identifying a first text entry field from among the plurality of text entry fields displayed on the computer monitor, said identifying said first text entry field being performed by identifying one of the plurality of text entry fields that has a predetermined text entry characteristic, said first display field having a first location; and

automatically identifying a second text entry field from among a remainder of the plurality of text entry fields displayed on the computer monitor in response to automatically identifying said first text entry field, said identifying said second text entry field being performed based on a predefined relationship between a respective location of said second text entry field and said identified first location of the first text entry field.

17. (Previously Presented) The system of claim 16, wherein automatically identifying said first text entry field having said characteristic comprises monitoring text entry fields displayed on the computer monitor at least until a text entry field having said characteristic is encountered.

18. (Previously Presented) The system of claim 17, wherein said characteristic is a non-display attribute.

19. (Previously Presented) The system medium of claim 16, wherein identifying said second text entry field comprises monitoring the text entry fields displayed on the computer monitor and determining which text entry field has said predefined relationship with said first text entry field.

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20. (Previously Presented) The system of claim 19, wherein said predefined relationship between said second text entry field and said first text entry field is that said second text entry field is the first non-empty text entry field preceding said first text entry field.

21. (Previously Presented) A method for creating a logon macro from data input into text entry fields displayed on a computer monitor by an emulator for accessing an application, the method comprising:

automatically recording data input into text entry fields displayed on the computer monitor;

automatically identifying a first text entry field from among a plurality of text entry fields displayed on the computer monitor, said identifying said first text entry field being performed by identifying one of the plurality of text entry fields that has a predetermined characteristic of said first text entry field, said first text entry field receiving a first character string as input data and having a first location;

automatically substituting a first placeholder for said first character string in the recorded input data;

automatically identifying a second text entry field from among a remainder of the plurality of text entry fields displayed on the computer monitor in response to automatically identifying said first text entry field, said identifying said second text entry field being performed based on a predetermined relationship between a respective location of said second text entry field and said identified first location of said first text

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entry field, said second text entry field receiving a second character string as input data;  
and

automatically substituting a second placeholder for said second character string  
in the recorded input data.

22. (Previously Presented) The method of claim 21, wherein automatically identifying said first text entry field comprises monitoring the text entry fields generated by the emulator on the computer monitor during a logon process at least until a text entry field having said characteristics is encountered.

23. (Previously Presented) The method of claim 22, wherein said predetermined characteristic of said first text entry field is that it has a non-display attribute.

24. (Previously Presented) The method of claim 21, wherein said predefined relationship between said second text entry field and said first text entry field is that said second text entry field is the first non-empty text entry field preceding said first text entry field.

25. (Previously Presented) The method of claim 24, wherein automatically identifying said second text entry field comprises monitoring the text entry field generated by the emulator on the computer monitor during a logon process and detecting the first non-empty text entry field preceding said first text entry field.

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26. (Previously Presented) The method of claim 21, wherein said first text entry field is a password text entry field and said second text entry field is a user identification text entry field.

27. (Previously Presented) The method of claim 21, wherein automatically substituting said first placeholder and said second placeholder in the recorded data streams occur during the recording of the data input into a text entry field.

28. (Previously Presented) The method of claim 21, wherein automatically substituting said first placeholder and said second placeholder in the recorded data streams occur after the recording of the data input into text entry fields is complete.